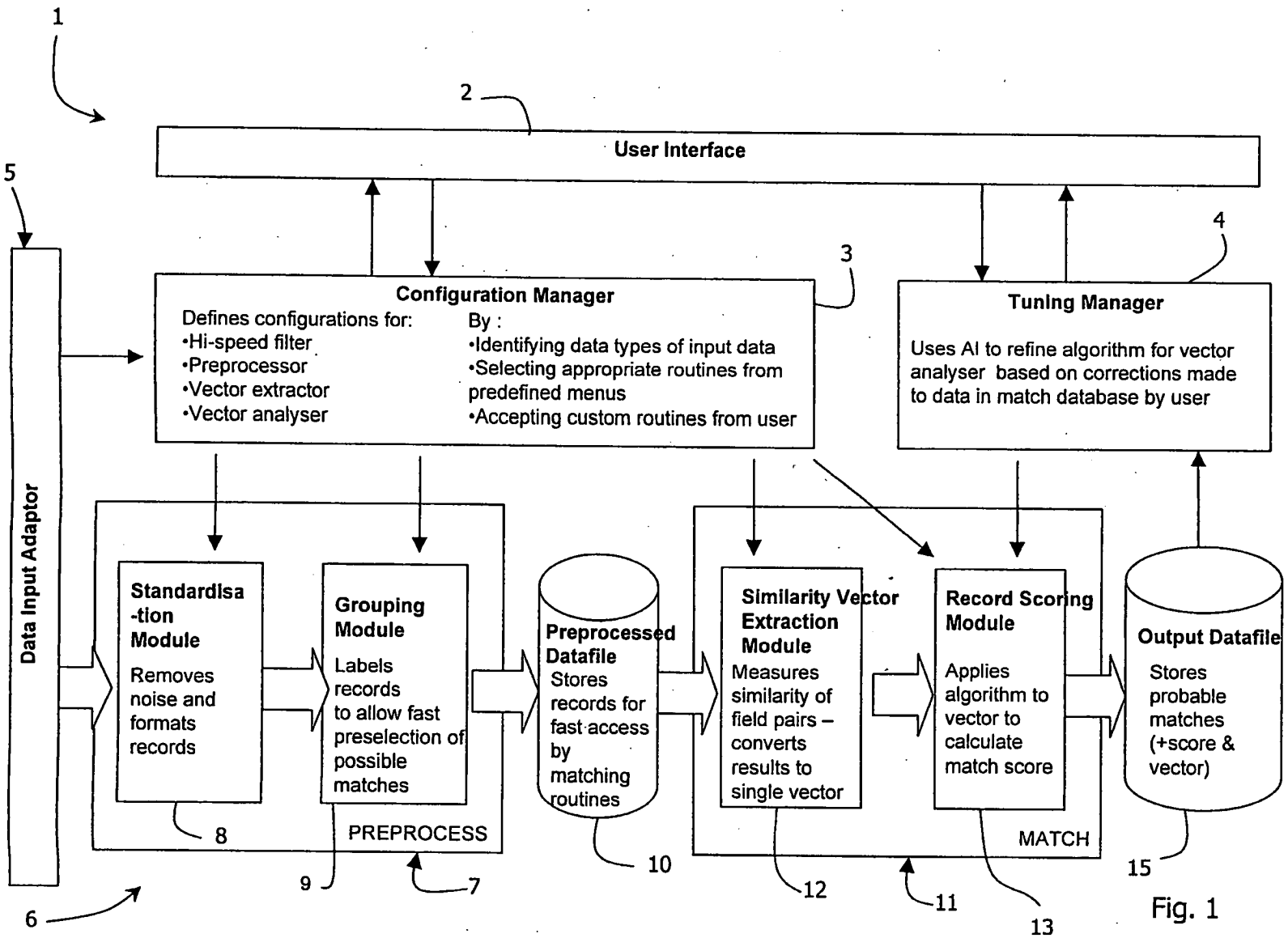
1
2
User Interface
5
Data Input Adaptor
Configuration Manager
Defines configurations for:
•Hi-speed filter
•Preprocessor
•Vector extractor
•Vector analyser
By :
•Identifying data types of input data
•Selecting appropriate routines from predefined menus
•Accepting custom routines from user
3
Tuning Manager
Uses AI to refine algorithm for vector analyser based on corrections made to data in match database by user
4
Standardisa -tion Module
Removes noise and formats records
8
Grouping Module
Labels records to allow fast preselection of possible matches
9
PREPROCESS
7
Preprocessed Datafile
Stores records for fast access by matching routines
10
Similarity Vector Extraction Module
Measures similarity of field pairs – converts results to single vector
12
Record Scoring Module
Applies algorithm to vector to calculate match score
11
MATCH
13
Output Datafile
Stores probable matches (+score & vector)
15
6

Fig. 1